

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Roderick J. Scott  
Serial No. : 10/058,825  
Filed : January 30, 2002  
Title : MODIFIED PLANTS

Art Unit : 1638  
Examiner : Stuart F. Baum

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Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This filing is being made with the filing of a Request for Continued Examination. No fee is required.

Respectfully submitted,

Date: Nov 7, 2005

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Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11696-067001	Application No. 10/058,825
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Roderick J. Scott		
		Filing Date January 30, 2002	Group Art Unit 1638	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,004,864	04/02/91	Robertson et al.			
	AB	5,204,253	04/20/93	Sanford et al.			
	AC	5,706,603	01/13/98	Bergquist et al.			
	AD	6,011,200	01/04/00	Dellaporta et al.			
	AE	6,013,863	01/11/00	Lundquist et al.			
	AF	6,255,561	07/03/01	Kossman et al.			
	AG	6,320,106	11/20/01	Ertl et al.			
	AH	6,329,567	12/11/01	Jofuku et al.			
	AI	6,355,862	03/12/02	Handa et al.			
	AJ	6,429,356	08/06/02	Shewmaker			
	AK	6,455,688	09/24/02	Slabas et al.			
	AL	6,459,019	10/01/02	Falco et al.			
	AM	6,573,099	06/03/03	Graham			
	AN	6,753,139	06/22/04	Baulcombe et al.			
	AO	6,897,359	05/24/05	Thompson et al.			
	AP	6,900,368	05/31/05	Thompson et al.			
	AQ	6,906,244	06/14/05	Fischer et al.			
	AR	6,940,001	09/06/05	Landschuetze			
	AS	2003/0126642	07/03/03	Fischer et al.			
	AT	2003/0135890	07/14/03	Fischer et al.			
	AU	2003/0175783	09/18/03	Waterhouse et al.			
	AV	2004/0053876	03/18/04	Turner et al.			
	AW						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes No
	AX	99/53050	10/21/99	WIPO			

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							Yes
	AY						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AZ	Genbank Accession No. AC093713
	AAA	Genbank Accession No. AF063403
	ABB	Genbank Accession No. AF096096
	ACC	Genbank Accession No. AF129516
	ADD	Genbank Accession No. AT5G49160
	AEE	Genbank Accession No. L05934
	AFF	Genbank Accession No. U39944
	AGG	Genbank Accession No. U76670
	AHH	Genbank Accession No. U93215
	AII	Abler and Scandalios, "Isolation and characterization of a genomic sequence encoding the maize Cat3 catalase gene," <i>Plant Mol Biol.</i> , 1993, 22(6):1031-1038
	AJJ	Altschul et al, "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs" <i>Nucl. Acids Res.</i> , 1997, 25:3389
	AKK	Bateman et al, "Pfam 3.1: 1313 multiple alignments and profile HMMs match the majority of proteins," <i>Nucl. Acids Res.</i> , 1999, 27:260-262
	ALL	Bechtold et al., "In planta Agrobacterium mediated gene transfer by infiltration of adult <i>Arabidopsis thaliana</i> plants" <i>C.R. Acad. Sci. Paris</i> , 1993, 316:1194-1199
	AMM	Brummell et al., "Inverted repeat of a heterologous 3'-untranslated region for high-efficiency, high-throughput gene silencing," <i>Plant J.</i> , 2003, 33:793-800
	ANN	Bustos, et al., "Regulation of <i>B</i> -Glucuronidase Expression in Transgenic Tabacco Plants by an A/T-Rich, <i>cis</i> ,Acting Sequence Found Upstream of a French Bean <i>B</i> -Phaseolin Gene," <i>Plant Cell</i> , 1989, 1:839-854
	AOO	Cannon et al., "Organ-specific modulation of gene expression in transgenic plants using antisense RNA," <i>Plant Molecular Biology</i> , 1990, 15:39-47
	APP	Ch'ng et al., "Antisense RNA complementary to 3' coding and noncoding sequences of creatine kinase is a potent inhibitor of translation <i>in vivo</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , December 1989, 86:10006-10010
	AQQ	Choi et al., "Control of Gene Imprinting in <i>Arabidopsis</i> ," <i>XVIII International Congress on Sexual Plant Reproduction</i> , Beijing, China, August 20 - 24, 2004
	ARR	Conceicao, "A cotyledon regulatory region is responsible for the different spatial expression patterns of <i>Arabidopsis</i> 2S albumin genes," <i>Plant</i> , 1994, 5:493-505

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<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	ASS	Cao et al, "Locus-specific control of asymmetric and CpNpG methylation by the DRM and CMT3 methyltransferase genes," <u>PNAS</u> , December 10, 2000, 99(4):16491-16498.
	ATT	Chuang et al., "Specific and heritable genetic interference by double-stranded RNA in <i>Arabidopsis thaliana</i> ," <u>PNAS</u> , April 25, 2000, 97(9):4985-4990
	AUU	Dorlhac de Borne et al., "Co-suppression of nitrate reductase host genes and transgenes in transgenic tobacco plants," <u>Mol. Gen. Genet.</u> , 1994, 243:613-621
	AVV	Flavell et al., "Developmental Regulation of Co-suppression in <i>Petunia hybrida</i> ," <u>Current Topics in Microbiology and Immunology</u> , 1995, 197:43-56
	AWW	Gehring et al., "Imprinting and Seed Development," <u>The Plant Cell</u> , 2004, 16:S203-S213
	AXX	Green, et al., "Binding site requirements for pea nuclear protein factor GT-1 correlate with sequences required for light-dependent transcriptional activation of the <i>rbcS-3A</i> gene," <u>EMBO J.</u> , 1988, 7:4035-4044
	AYY	Hamilton et al., "A transgene with repeated DNA causes high frequency, post-transcriptional suppression of ACC-oxidase gene expression in tomato," <u>The Plant Journal</u> , 1998, 15(6):737-746
	AZZ	Hamilton et al., "A Species of Small Antisense RNA in Posttranscriptional Gene Silencing in Plants," <u>Science</u> , October 29, 1999, 286(5441):950-952
	AAAA	Hoe-Huh, et al, "Regulation of Gene Imprinting in <i>Arabidopsis</i> ," <u>Seed Development Symposium Sponsored by the Biology Department, University of Saskatchewan, Canada, May 12 - 13, 2005</u>
	ABBB	Jeddeloh et al., "CCG methylation in angiosperms," <u>Plant J.</u> , 1996, 9:579-586
	ACCC	Jordano, et al., "A Sunflower Helianthinin Gene Upstream Sequence Ensemble Contains an Enhancer and Sites of Nuclear Protein Interaction," <u>Plant Cell</u> , 1989, 1:855-866
	ADDD	Jorgensen et al., "Altered gene expression in plants due to <i>trans</i> interactions between homologous genes," <u>TIB</u> , 8:340-344
	AAAA	Jorgensen et al., "Do unintended antisense transcripts contribute to sense cosuppression in plants?," <u>TIG</u> , January 1999, 15(1):11-12
	FFFF	Kankel et al., "Arabidopsis MET1 Cytosine Methyltransferase Mutants," <u>Genetics</u> , March 2003, 163:1109-1122
	AGGG	Karlin et al, "Methods for assessing the statistical significance of molecular sequence features by using general scoring schemes," <u>Proc. Natl. Acad. Sci.</u> , 1990, 87:2264-2268
	AHHH	Karlin et al, "Applications and statistics for multiple high-scoring segments in molecular sequences," <u>Proc. Natl. Acad. Sci.</u> , 1990, 90:5873
	AIII	Kishimoto et al., "Site specificity of the <i>Arabidopsis MET1</i> DNA methyltransferase demonstrated through hypermethylation of the superman locus," <u>Plant Molecular Biology</u> , 2001, 46:171-183
	AJJJ	Lindroth et al., "Requirement of CHROMOMETHYLASE3 for Maintenance of CpXpG Methylation," <u>Science</u> , June 15, 2001, 292:2077-2080
	AKKK	Mascia et al., "Safe and acceptable strategies for producing foreign molecules in plants," <u>Current Opinion in Plant Biology</u> , 2004, 7:189-195
	ALLL	Meier, et al., "Elicitor-Inducible and Constitutive in Vivo DNA Footprints Indicate Novel <i>cis</i> -Acting Elements in the Promoter of a Parsley Gene Encoding Pathogenesis-Related Protein 1," <u>Plant Cell</u> , 1991, 3:309-316

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	AMMM	Nakano et al., "A Tobacco NtMET1 cDNA Encoding a DNA Methyltransferase: Molecular Characterization and Abnormal Phenotypes of Transgenic Tobacco Plants," <u>Plant Cell Physiol.</u> , 2000, 41(4):448-457		
	ANNN	Niebel et al., "Co-suppression of B-1, 3-Glucanase Genes in Nicotiana tabacum," <u>Current Topics in Microbiology and Immunology</u> , 1995, 197:91-103		
	AOOO	Palauqui et al., "Field trial analysis of nitrate reductase co-suppression: a comparative study of 38 combinations of transgene loci," <u>Plant Molecular Biology</u> , 1995, 29:149-159		
	APPP	PCR Primer: A Laboratory Manual, Dieffenbach, C. & Dveksler, G., Eds., <u>Cold Spring Harbor Laboratory Press</u> , 1995		
	AQQQ	Ray, "Arabidopsis floral homeotic gene BELL (BEL1) controls ovule development through negative regulation of AGAMOUS gene (AG)," <u>Proc. Natl. Acad. Sci. USA</u> , 1994, 91:5761		
	ARRR	Robinson, "Altered gene expression in plants due to trans interactions between homologous genes," <u>TIBTECH</u> , December 1990, 8:340-344		
	ASSS	Savidge et al., "Temporal Relationship between the Transcription of Two Arabidopsis MADS Box Genes and the Floral Organ Identity Genes," <u>The Plant Cell</u> , June 1995, 7:721-733		
	ATTT	Sambrook et al., Molecular Cloning, A Laboratory Manual, 1989, Sections 9.37-9.52, 2 <sup>nd</sup> Edition, <u>Cold Spring Harbor Press</u> , Plainview, NY		
	AUUU	Saze et al., "Maintenance of CpG Methylation is essential for epigenetic inheritance during plant gametogenesis," <u>Nature Genetics</u> , May 2003, 34:65-69		
	AVVV	Sharp, "RNAi and double-strand DNA," <u>Genes &amp; Development</u> , 1999, 13:139-141		
	AWWW	Sheehy et al., "Reduction of polygalacturonase activity in tomato fruit by antisense RNA," <u>Proc. Natl. Acad. Sci. USA</u> , December 1988, 85:8805-8809		
	AXXX	Sheridan, "The <i>mac1</i> Gene: Controlling the Commitment to the Meiotic Pathway in Maize," <u>Genetics</u> , 1996, 142:1009-1020		
	AYYY	Smyth, "Gene silencing: Cosuppression at a distance," <u>Current Biology</u> , 1997, 7:R793-R795		
	AZZZ	Sonnhammer et al., "Pfam: multiple sequence alignments and HMM-profiles of protein domains," <u>Nucl. Acids Res.</u> , 1998, 26: 320-322		
	AAAAA	Sonnhammer et al., "Pfam: A comprehensive Database of Protein Domain Families Based on Seed Alignments," <u>Proteins</u> , 1997, 28:405-420		
	BBBBB	Taylor, "Comprehending Cosuppression," <u>The Plant Cell</u> , August 1997, 9:1245-1249		
	CCCCC	Tuschl et al., "Targeted mRNA degradation by double-stranded RNA in vitro," <u>Genes &amp; Development</u> , 1999, 13:3191-3197		
	DDDDD	Urao, "Molecular cloning and characterization of a gene that encodes a MYC-related protein in <i>Arabidopsis</i> ," <u>Plant Mol. Biol.</u> , 1996, 32:571-556		
	EEEE	Van der Krol et al., "Modulation of Eukaryotic Gene Expression by Complementary RNA or DNA Sequences," <u>BioTechniques</u> , 1988, 6(10):958-976		
	FFFFF	Vaucheret et al., "Molecular and genetic analysis of nitrite reductase co-suppression in transgenic tobacco plants," <u>Mol. Gen. Genet.</u> , 1995, 248:311-317		
	AGGGG	Voinnet et al., "Suppression of gene silencing: A general strategy used by diverse DNA and RNA viruses of plants," <u>PNAS</u> , November 23, 1999, 96(24):14147-14152		
	AHHHH	Wada et al., "Association between up-regulation of stress-responsive genes and hypomethylation of genomic DNA in tobacco plants," <u>Mol. Gen. Genomics</u> , 2004, 271:658-666		

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	AIIII	Waterhouse et al., "Virus resistance and gene silencing in plants can be induced by simultaneous expression of sense and antisense RNA," <u>Proc. Natl. Acad. Sci. USA</u> , 1998, 95:13959-13964
	AJJJJ	Xiao et al, "Imprinting of the MEA Polycomb Gene Is Controlled by Antagonism between MET1 Methyltransferase and DME Glycosylase," <u>Developmental Cell</u> , December 2003, 5:891-901
	AKKKK	Yadegari et al., "Mutations in the FIE and MEA Genes that Encode Interacting Polycomb Proteins Cause Parent-of-Origin Effect on Seed Development by Distinct Mechanisms," <u>The Plant Cell</u> , 2000, 12:2367-2381
	ALLLL	Zhang, et al., "DNA Sequences That Activate Isocitrate Lyase Gene Expression during Late Embryogenesis and during Postgerminative Growth," <u>Plant Physio.</u> , 1996, 110:1069-1079
	AMMMM	

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